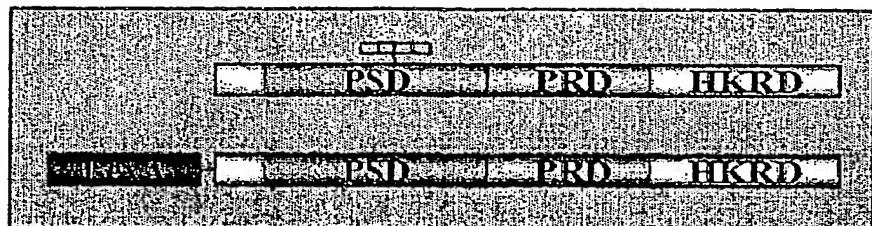


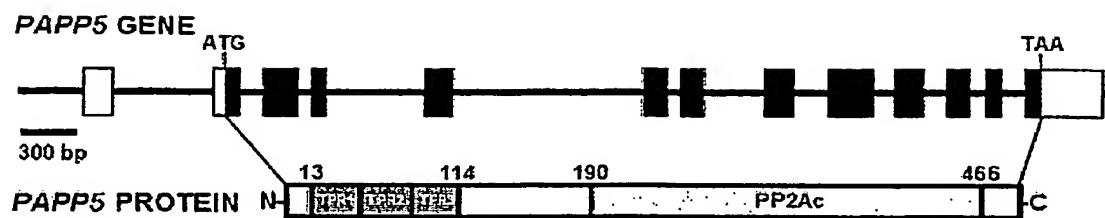
1/12

Fig. 1

phyA
Bait Fusion-
protein



2/12

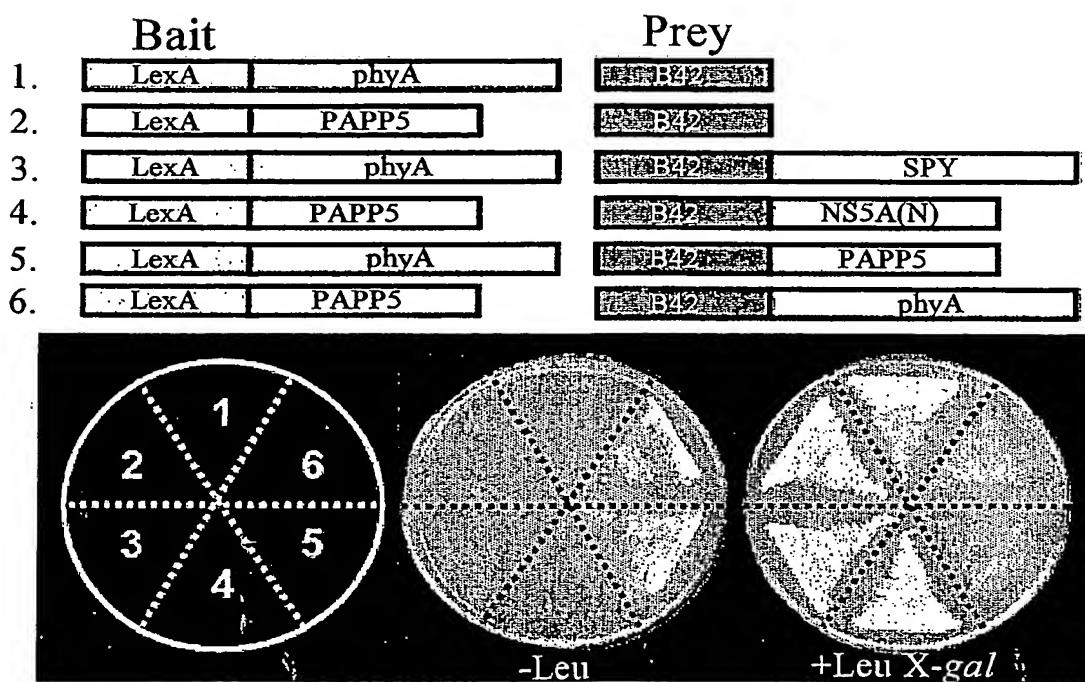
Fig. 2

3/12

Fig. 3

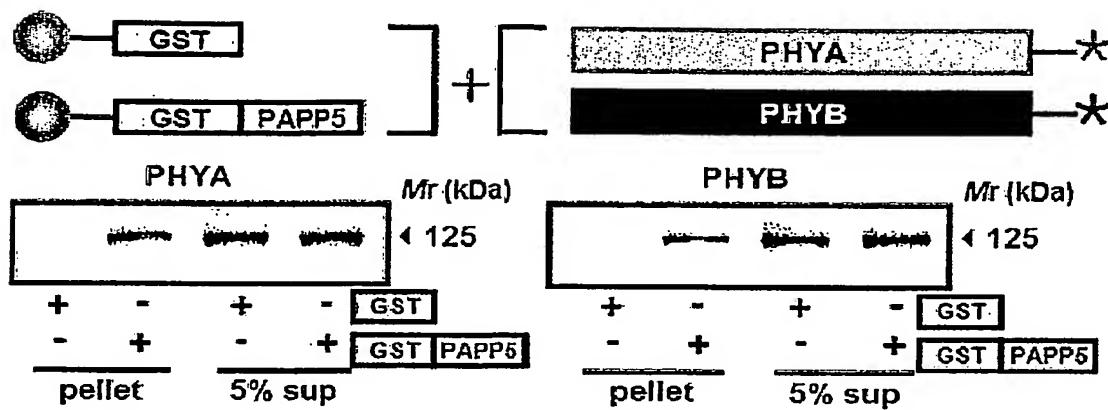
PAPP5	1		-MET KNENSDVSS		A8 PPKGQANAEF	GHRYSSAID	LTTTAHEDNS	NSTWAWNR	FHTKLEPGC
H. sap PPS	1		-ER TECAEPPRDE	PEADGALNR	-AS PLQGANDV	AKDYMENAK	EVSCAELING	SNATVGNRS	LAMRISOCYC
M. mus PPS	1		-MAMAEGER TECAEPPRDE	PEADGALNR	-AS PLQGANDV	AKDYMENAK	EVSCAELING	SNATVGNRS	LAMRISOCYC
R. nor PPS	1		-MAMAEGER TECAEPPRDE	PEADGALNR	-AS PLQGANDV	AKDYMENAK	EVSCAELING	SNATVGNRS	LAMRISOCYC
S. cer PPS	1		-MS TPAADRAK		-AS PRNNDGUV	DPDYMENAK	EVSCAELING	SNATVGNRS	LAMRISOCYC
D. mog PPS	1	MSSSELEVQK	AADCQEAKV PASWEITGSK	QEDDTNAET	KAEELFAAAB	QHNGGNEML	THREESKAN	MTTAAEILNG	NSTWAWNR
C. ele PPS	1		-MAATTIDDI VATVLESIEE	KSYDEKEK	-AG MIKORANDE	EDDVYVQVAD	LTVAEELNG	TAVIGNR	QAMRISOCYC
TPR1									
PAPP5	65	SVYODKDN	EVPCRNKGEL	IRRCANVLN	GKSDAALD	DOVCRUSEND	DDATKDRDC	EATI-S-VEVSE	NEVVAE-----
H. sap PPS	74	YADCDTAI	ELDKMVKY	KGY	YRRAAANAL	GKSDAALD	DOVCRUSEND	DDATKDRDC	EATI-S-VEVSE
M. mus PPS	80	YADCDTAI	ELDKMVKY	KGY	YRRAAANAL	GKSDAALD	DOVCRUSEND	DDATKDRDC	EATI-S-VEVSE
R. nor PPS	80	YADCDTAI	ELDKMVKY	KGY	YRRAAANAL	GKSDAALD	DOVCRUSEND	DDATKDRDC	EATI-S-VEVSE
S. cer PPS	64	SADCDDAI	KDPPDKVW	YRRAAANAL	LEBNGKQD	NVLJKAEND	PAPKALLIC	DRFIREER	KAMGGAEKA KISTCOTLNL
D. mog PPS	101	PAVCDGVSA	KDPPDKVW	YRRAAANAL	LEBNGKQD	NVLJKAEND	PAPKALLIC	DRFIREER	SSFDANADLA
C. ele PPS	80	SADCDDAI	AIDSPMVKE	YRRAAANAL	LEBNGKQD	NVLJKAEND	PAPKALLIC	DRFIREER	SDVNTIHD
TPR2									
PAPP5	161	QYSCGEAEG			EVVAD	QVKEGLYDQK	NO	YDLYR	YDQVQVTRQ
H. sap PPS	169	EVSCGEAEG			EVVAD	QVKEGLYDQK	NO	YDLYR	YDQVQVTRQ
M. mus PPS	175	EVSCGEAEG			EVVAD	QVKEGLYDQK	NO	YDLYR	YDQVQVTRQ
R. nor PPS	175	EVSCGEAEG			EVVAD	QVKEGLYDQK	NO	YDLYR	YDQVQVTRQ
S. cer PPS	164	NYCPEQEEF	OLYDDDKNPK	GAKCCKNPK	DISKMDL	LKGQDQKRY	VAAHSHADY	LFROSFEAVE	LENINSTDW
D. mog PPS	197	DYKCEQEEF			KVAKL	DYKCEQEEF	AC	YKPLHDF	YKPLHDF
C. ele PPS	175	NYCPEQEEF			KVAKL	DYKCEQEEF	AC	YKPLHDF	YKPLHDF
TPR3									
PAPP5	161	QYSCGEAEG			EVVAD	QVKEGLYDQK	NO	YDLYR	YDQVQVTRQ
H. sap PPS	169	EVSCGEAEG			EVVAD	QVKEGLYDQK	NO	YDLYR	YDQVQVTRQ
M. mus PPS	175	EVSCGEAEG			EVVAD	QVKEGLYDQK	NO	YDLYR	YDQVQVTRQ
R. nor PPS	175	EVSCGEAEG			EVVAD	QVKEGLYDQK	NO	YDLYR	YDQVQVTRQ
S. cer PPS	164	NYCPEQEEF	OLYDDDKNPK	GAKCCKNPK	DISKMDL	LKGQDQKRY	VAAHSHADY	LFROSFEAVE	LENINSTDW
D. mog PPS	197	DYKCEQEEF			KVAKL	DYKCEQEEF	AC	YKPLHDF	YKPLHDF
C. ele PPS	175	NYCPEQEEF			KVAKL	DYKCEQEEF	AC	YKPLHDF	YKPLHDF
GDXHQ									
PAPP5	243	NGLPSEPNY	IFNGDFVDRG	SFSVE	LLTL	SGFKLILYDQH	IVD	RGHNE	EVGRKLSK
H. sap PPS	251	NGLPSEPNY	IFNGDFVDRG	SFSVE	LLTL	SGFKLILYDQH	IVD	RGHNE	EVGRKLSK
M. mus PPS	257	NGLPSEPNY	IFNGDFVDRG	SFSVE	LLTL	SGFKLILYDQH	IVD	RGHNE	EVGRKLSK
R. nor PPS	257	NGLPSEPNY	IFNGDFVDRG	SFSVE	LLTL	SGFKLILYDQH	IVD	RGHNE	EVGRKLSK
S. cer PPS	264	FGKVGKPHY	IFNGDFVDRG	SMSCE	VALD	MCKDQHDF	EDY	RGHNE	EVGRKLSK
D. mog PPS	279	NGLPSEPNY	IFNGDFVDRG	SFSVE	LLTL	SGFKLILYDQH	IVD	RGHNE	EVGRKLSK
C. ele PPS	256	NGLPSEPNY	IFNGDFVDRG	SFSVE	LLTL	SGFKLILYDQH	IVD	RGHNE	EVGRKLSK
GDXVARG									
PAPP5	343	SVNGVLDSD	RANDFCGDF	2DG	NGD	LLPM	S		
H. sap PPS	351	SPDGVIDD	RNDPDRQPF	DSCEP	MDH	PM	S		
M. mus PPS	357	SPDGVIDD	RNDPDRQPF	DSCEP	MDH	PM	S		
R. nor PPS	357	SPDGVIDD	RNDPDRQPF	DSCEP	MDH	PM	S		
S. cer PPS	364	SDPSAHLSD	RNDPDRQPF	DSCEP	MDH	PM	S		
D. mog PPS	379	STEDVLDH	RNDPDRQPF	DSCEP	MDH	PM	S		
C. ele PPS	356	KEPDGVIDD	RNDPDRQPF	DSCEP	MDH	PM	S		
SAPNYC									
PAPP5	413	HEVKDPEGV	EPGCKL	ITVE	SAPNYCDOM	NGKAFITPFE	A	PD	TKRITVTF
H. sap PPS	421	HEVKDPEGV	EPGCKL	ITVE	SAPNYCDOM	NGKAFITPFE	A	PD	TKRITVTF
M. mus PPS	427	HEVKDPEGV	EPGCKL	ITVE	SAPNYCDOM	NGKAFITPFE	A	PD	TKRITVTF
R. nor PPS	427	HEVKDPEGV	EPGCKL	ITVE	SAPNYCDOM	NGKAFITPFE	A	PD	TKRITVTF
S. cer PPS	434	HEVKDPEGV	EPGCKL	ITVE	SAPNYCDOM	NGKAFITPFE	A	PD	TKRITVTF
D. mog PPS	449	HEVKDPEGV	EPGCKL	ITVE	SAPNYCDOM	NGKAFITPFE	A	PD	TKRITVTF
C. ele PPS	456	HEVKDPEGV	EPGCKL	ITVE	SAPNYCDOM	NGKAFITPFE	A	PD	TKRITVTF

4/12

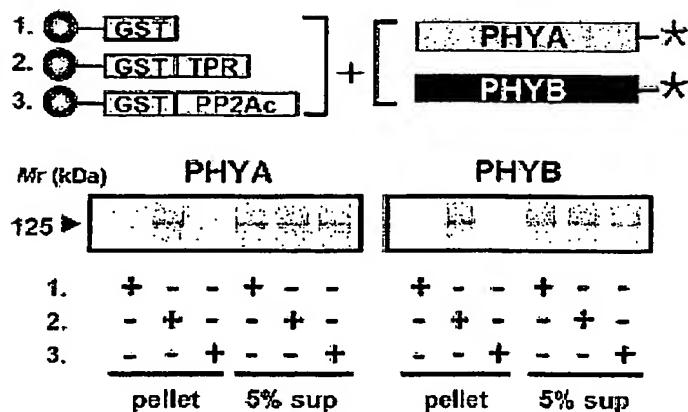
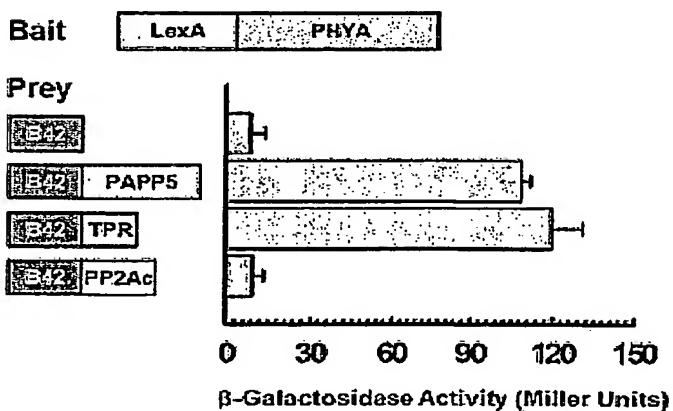
Fig. 4

5/12

Fig. 5



6/12

Fig. 6**A****B****Bait**

LexA

Prey

-
-
-
-

Prey	Activity (Miller Units)
B42	~10
LexA-B42-PREP1	~350
LexA-B42-RD	~350
LexA-B42-CD	~10

7/12

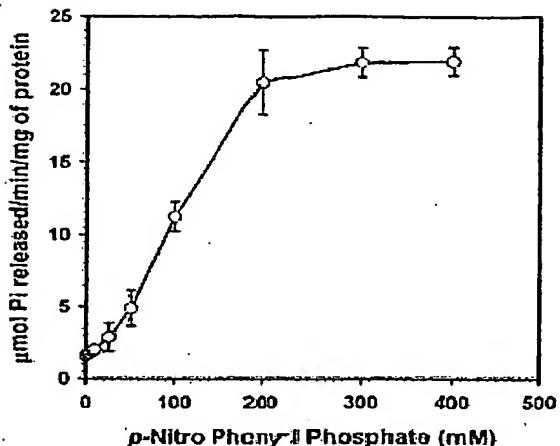
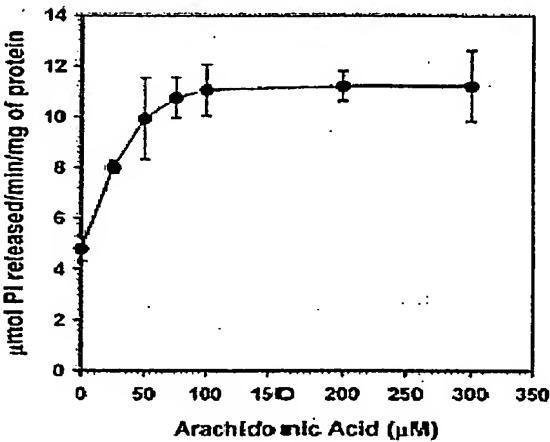
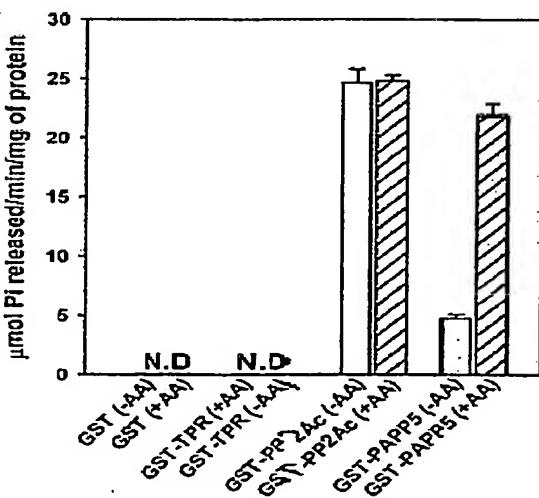
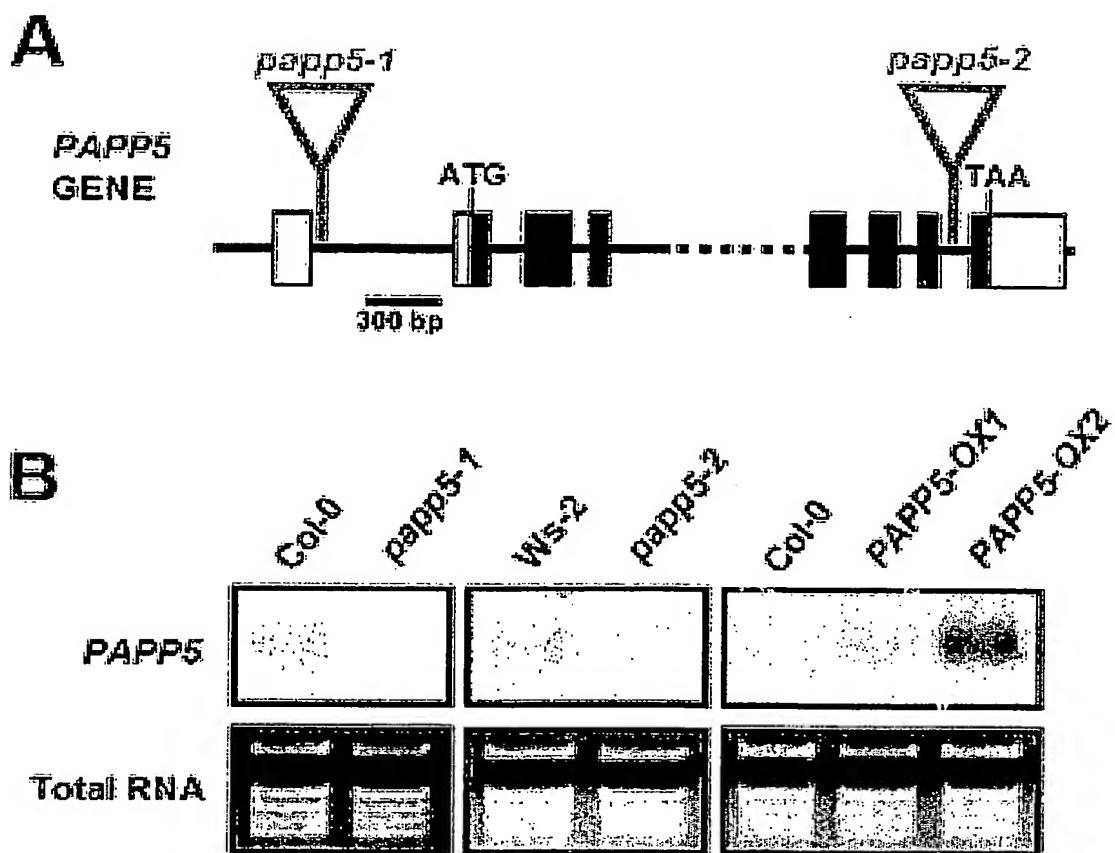
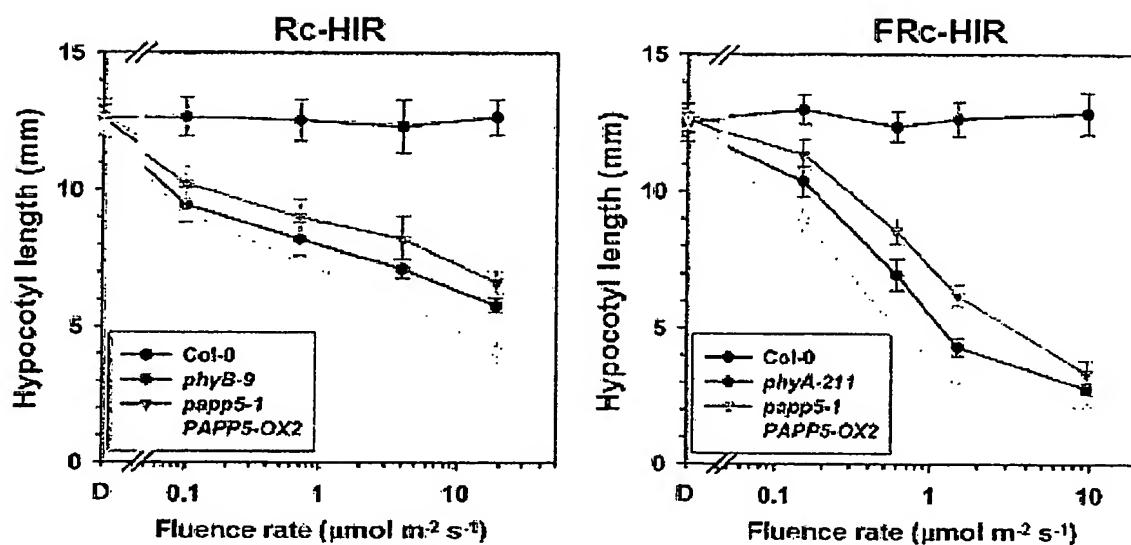
Fig. 7**A****B****C**

Fig. 8

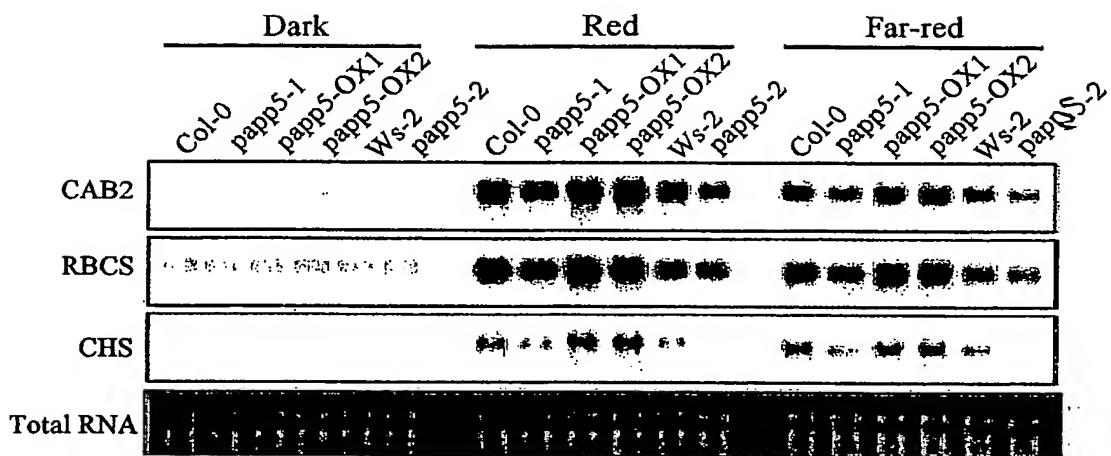


9/12

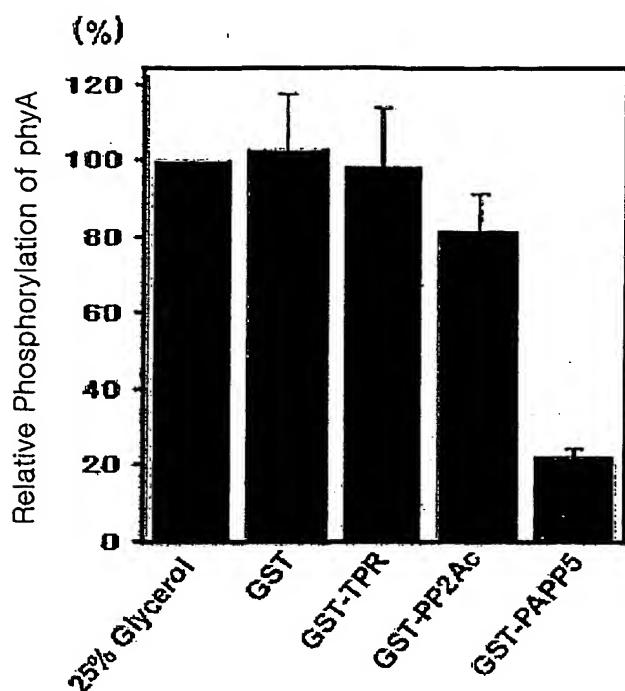
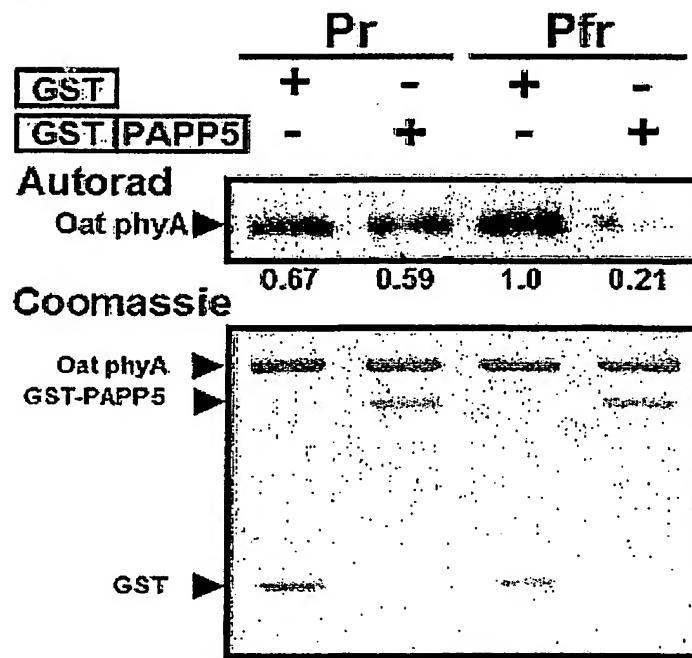
Fig. 9

10/12

Fig. 10



11/12

Fig. 11**A****B**

12/12

Fig. 12